ABSTRACT

Modification Structure Of *N*-Benzoyl-*N'*-(3-trifluoromethyl)phenylthiourea and Quantitatve Structure-Activity Relationship as Antibacterial against *Staphylococcus aureus* ATCC 6538 and *Escherichia coli* ATCC 8739

The purpose of this study was to explore *N*-Benzoyl-*N'*-3-(triflouromethyl)phenylthiourea derivatives as Antibacterial against *Staphylococcus aureus* ATCC 6538 and *Escherichia coli* ATCC 8739. The result showed that *N*-benzoyl-*N'*-(3-triflouromethyl)phenylthiourea derivatives have minimum inhibitory concentration against *Staphylococcus aureus* ATCC 6538 were respectively; 0,12 µg/mL; 0,03 µg/mL; 0,03 µg/mL; dan 0,03 µg/mL, and the potency found 96,91%, 101,15%, 103,17%, 104,31%. The strain *Escherichia coli* ATCC 8739 have minimum inhibitory concentration were respectively; 3,12 µg/mL; 1,56 µg/mL; 0,7 µg/mL; dan 1,56 µg/mL, and the potency found 85,73%, 92,77%, 95,05%, 92,41%.